Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-12. (Cancelled)

13. (Previously Presented) A method for producing a heat exchanger header tank from plastic by means of injection molding, comprising:

injection molding in an injection molding apparatus, at a first temperature to form a heat exchanger header tank, a plastic composition consisting essentially of a polyamide that contains a crystallization accelerating agent;

during the injection molding step, adding to the plastic composition under pressure a physical blowing agent comprising a gaseous composition;

removing the molded heat exchanger header tank from the injection molding apparatus while the surface of the plastic material is at a second temperature that is below the first temperature and greater than a temperature at which injection molded polyamide heat exchanger header tanks are normally removed from injection molding apparatus; and

immediately inserting into the removed heat exchanger header tank a tensioning member for preventing significant changes in shape of the header tank.

14 (Previously Presented) The method as claimed in claim 13, wherein the physical blowing agent comprises pressurized CO_2 and/or N_2.

15. (Previously Presented) The method as claimed in claim 13, wherein the plastic composition is reinforced with glass fibers.

16. (Previously Presented) The method as claimed in claim 13, wherein the heat exchanger header tank is removed from the injection molding apparatus at a plastic composition surface temperature that is greater than 80 degrees C.

17. (Previously Presented) The method as claimed in claim 16, wherein the heat exchanger header tank is removed from the injection molding apparatus at a plastic composition surface

temperature of 120° ± 10°C.

18. (Previously Presented) The method as claimed in claim 13, wherein the blowing agent is fed under a pressure of 50-250 bar.

19. (Previously Presented) The method as claimed in claim 13, wherein the blowing agent is supplied at a screw during injection molding.

20. (Previously Presented) The method as claimed in claim 13, wherein the blowing agent is supplied upstream of a mold during injection molding.

21. (Previously Presented) The method as claimed in claim 13, wherein the blowing agent is supplied directly into a mold during injection molding.

22. (Cancel)

23. (Previously Presented)) The method as claimed in claim 13, further comprising removing the tensioning member from the heat exchanger header tank and immediately thereafter assembling the header tank to a heat exchanger header member.

24. (Previously Presented) The method as claimed in claim 23, wherein the heat exchanger header tank is assembled to a heat exchanger header member within about one minute after removal of the tensioning member.